

ABSTRACT OF THE DISCLOSURE

The present invention relates to biopolymer detection utilizing antigen-antibody reaction, intended to improve the S/N ratio, to increase the detection sensitivity, and to shorten the detection time.

According to the present invention, target biopolymers labeled with a fluorescent material and beads, onto the surface of which probe biopolymers and beads-ID recognizing address linkers are fixed, are put in a solution to hybridize the target biopolymers and the probe biopolymers, then the above address linkers are captured by antigen-antibody reaction using the addressing probe protein which is in such relation to the said address linkers as either one of the addressing probe protein and the address linkers is an antigen and the other is the corresponding antibody.